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Transmitted herewith for filing in the patent application of:

Alan R. Bauer et al.Entitled: **METHOD AND APPARATUS FOR INTERNET ON-LINE INSURANCE POLICY SERVICE**

Enclosed are.

[XX] 12 sheets of specification, 4 sheets of claims, 1 sheet of Abstract
[XX] Appendix to patent application consisting of: Introduction, Sections I, II, III A (quote only),
III A (Update), III C (Update), III D and IV.
[XX] 6 sheets of informal drawings, Figures 1 - 6.
[XX] an assignment of an invention to Progressive Casualty Insurance Company (and transmittal therefor)
[XX] a Declaration and Power of Attorney for Patent Application
[XX] Information Disclosure Statement and PTO-1449

CLAIMS AS FILED

FOR	NO FILED	NO EXTRA	RATE	FEE
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INDEPENDENT CLAIMS	4 - 3 =	01	[XX] \$78 LARGE [] \$39 SMALL	\$ 78.00 \$ 366 00
BASIC FEE [XX] LARGE ENTITY \$760 [] SMALL ENTITY \$380				
TOTAL FILING FEE				\$ 1,126 00

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Date

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METHOD AND APPARATUS FOR INTERNET ON-LINE INSURANCE POLICY SERVICE

Background of the Invention

5 The present invention relates to data communication and processing systems, and particularly to a system for automated Internet on-line communication of proposed and actual changes to insurance policy parameters, assessing cost consequences of such proposed and actual changes, updating the insured's policy file and implementing desired policy changes, while avoiding insurer personnel involvement in the communication, updating and
10 policy amendment process.

As used in this application, the term "Internet" means the global computer information system both as it exists currently and as it may change, evolve or develop over time and including any replacement or successor systems.

15 Vehicle insurance policies are now a legal requirement for driving rights in most jurisdictions and nearly all drivers own or are required to own some type of insurance. Conventional methods for acquiring such a policy usually entail relatively lengthy application processes between the buyer and a personal representative of the insurer such as either an insurance company salesperson or an independent agent for the company. The application process requires a communication of personal and historical data of the buyer and
20 whatever vehicles are involved and their locations to allow the insurer to classify the prospective applicant in predetermined actuarial classes and for quoting a cost to the applicant. In addition, for existing customers of the insurance company, changes in policy parameters such as changes in residence, the vehicle locations, number of household drivers or acquisition of new or replacement of old vehicles covered by the policy require regular
25 communication between the customer and the insurer or its agents. When such communication is required to be handled in writing, telephonically, or personally by the company representative or independent agent, the time consumption and associated costs for such personal handling can present cost and servicing problems which need to be minimized. Any way that the insurer can reduce personnel involvement in addressing policyholder
30 services is a way that can improve efficiency and reduce costs -- costs that can be eliminated to result in lower rates to a consumer buying the insurance.

The present invention contemplates a new and improved insurance policy service and delivery system for communicating changes in policy parameters to an insurer via

an Internet on-line automated system, thereby obviating representative or agent personal involvement in the interfacing and communicating of policy parameter changes, policy changes and associated charge adjustments between the customer and the insurer.

5

A Brief Summary of the Invention

In accordance with the present invention, there is disclosed a method and apparatus for Internet on-line insurance policy service and delivery for real-time automated selective adjustment by a user of policy parameters, and for system computation and communication of resulting cost adjustments due to the policy parameter changes. The system comprises an information module for identifying a user to the system and for communicating currently existing policy parameters to the policyholder. A policy adjustment module selectively communicates parameter changes made by the user to the insurer's computer system and the computer then generates in real-time the resulting policy cost attributable to the parameter change. The cost adjustments can be communicated in the form of a quote, and if the computer is so instructed by the user, the policy change and related cost adjustment can be formally submitted and implemented.

In accordance with more limited aspects of the invention, the system further includes a claims information module for communicating information relative to claims processing, and a funds transfer module for on-line payment of accounts by a user.

In accordance with yet another aspect of the present invention, the parameter changes can comprise, for example, a change in garage location of the vehicle being insured or the personal residence of the holder of the policy, a change in the vehicles insured under the policy, the addition or deletion of one or more drivers under the policy or changes in coverages, deductible amounts or policy limits.

One benefit of the present invention is a more efficient handling of policyholder services to reduce inconvenience to the insurance customer and to reduce handling and involvement requirements of insurer personnel to attend to such services, thereby reducing overhead costs and ultimately providing an ability to insure policyholders on a more cost effective basis.

Another benefit of the subject invention is a reduction in the time cycle for

communicating and implementing policy changes thereby assuring a more accurate coverage and minimizing time periods when the policy parameter changes are not properly incorporated into the policy.

Other benefits and advantages of the subject new policy service will become
5 apparent to those skilled in the art upon a reading and understanding of the specification.

Brief Description of the Drawings

The invention may take physical form in certain parts and steps and
arrangements of parts and steps, the preferred embodiments of which will be described in
10 detail in the specification and illustrated in the accompanying drawings which form a part
hereof and wherein:

FIGURE 1 is a flow diagram for accessing the subject system with a personal
security code;

FIGURE 2 is a block flow diagram identifying the principal processing
15 modules of the subject invention;

FIGURE 3 is a flow diagram illustrating steps for updating a policy change
comprising a vehicle replacement;

FIGURE 4 is a flow diagram of the steps for acquiring an estimate of a rate
change resulting from a possible vehicle replacement;

FIGURE 5 is a flow diagram of the steps of implementing a policy change due
20 to an address or telephone change; and

FIGURE 6 is a flow diagram of communicating claims information from the
system.

Detailed Description of the Invention

The subject invention is related to a data processing system especially
applicable to the insurance industry wherein a policyholder can, through Internet on-line
accessing, view and update his or her particular policy information. After the
policyholder/customer authenticates himself/herself, the system retrieves the verification, or
30 other information requested by the policyholder from the system and displays it to the
policyholder via the Internet. A user-friendly interface guides the customer through various

activities including, without limitation, billing information, making a payment via a credit card or on-line check, policy information, state specific contract information, quoting an endorsement for vehicle replacement, address changes and claims information. The system displays the premium amount and variance and updates the customer file at the customer's request, without need for personal handling by an individual representative of the insurer or an independent agent. Most of the information presented to the customer is specific to that customer's policy only and is, of course, maintained confidential through a security code system and transferred/viewed via a secure server. Generic information generally describing the policy is also provided. The subject invention uniquely provides on-line viewing and updating of the customer's existing information and facilitates real-time updating of the policy parameters and the ability to implement policy changes on-line. Although discussed with primary reference to automobiles as the insured vehicle, the invention is applicable to any other type of insured item, i.e., boats, airplanes, personal or real property or any other thing that is subject to an insurance policy, as well as to other kinds of insurance that may be provided, such as life, disability, medical, dental, credit insurance and general liability insurance.

The subject system contains four critical areas or modules of content with the capability of expansion to additional product and policy services: policy information, policy updating, claims information and payment enablement via electronic funds transfer. The following outline details these modules and the subsequent detailed description of the invention will follow along this outline.

I. Policy Information Displayed for the Specific Policyholder Includes:

A. Billing and Account Information

- Account status
- Amount and receipt date of the last payment
- Amount and receipt date of the renewal payment (if applicable)
- Current amount due and due date
- Bill schedule
- Account payment history

B. Policy Details

- Mailing address
- Listed drivers, age, gender, driver type and proof of financial responsibility status
- Driving records for each driver listed on policy

- Year, make, model and vehicle identification number (VIN #) for each vehicle listed on the policy
- State policy contract valid for the specific policy
- Agent of record name, address and phone number

C. Coverages and Premiums

- Coverage limits listed by vehicle
- Premium displayed by coverage and vehicle
- Policy fees and taxes for total policy

II. Payment Functionality Includes:

- Account status
- Amount and receipt date of the last payment
- Amount and receipt date of the renewal payment (if applicable)
- Select a payment amount of either the current amount due, current amount and renewal payment, an amount entered that is greater than the minimum amount due or pay in full
- Select payment method of on-line check or credit card

III. Policy Updates include the following:

A. Vehicle Replacement

- Selection of which vehicle on the policy the insured wants to replace
- Selection of year, make, model and submodel the insured wants to quote
- Selection for physical damage coverages specific for the vehicle being quoted
- Listing of resultant premium change over the rest of the policy term
- Comparison of premium over the entire policy term
- Ability to update the policy for the vehicle replacement
- Revised billing schedule
- Quote summary of all quotes obtained by the customer

B. Vehicle Addition

- Selection for year, make, model and submodel the insured wants to add to the policy
- Garaging address, information about the car, and leasing/financing information collected
- Selection for physical damage coverages specific for the vehicle being quoted
- Listing of resultant premium change over the rest of the policy term
- Comparison of premium over the entire policy term
- Ability to update the policy for the vehicle replacement
- Revised billing schedule
- Quote summary of all quotes obtained by the customer

C. Address/Telephone Change

- Address displayed
- Requestor verified
- New address/telephone number collected
- Update garaging address by vehicle

- Listing of resultant premium change over the rest of the policy term
- Comparison of premium over the entire policy term
- Revised billing schedule
- Summary of changes
- 5 • Ability to update the address/telephone change
- If only the telephone number is changed, a declaration page prints and mailings are suppressed

D. Order Duplicate Insurance Forms

- 10 • Order ID cards or ID cards and duplicate declaration page sets

IV. Claims Information Includes:

- Claim number, incident date and status displayed for selection
- Driver and vehicle involved
- 15 • Location of loss, incident report date/time
- Inspection date/time
- Determination of total loss
- Claim features open
- Claim representative name and phone number
- 20 • Claims office location and street address
- Display of coverage at time of incident
- Payment history
- Information on subrogation, if applicable
- Total loss information
- 25 • Estimate information
- Rental and vehicle repair
- Communications directly to the claim representative's desk top

Referring now to the drawings where the showings are for purposes of illustrating the preferred embodiments of the invention only and not for purposes of limiting same, the FIGURES show a method and apparatus for Internet on-line insurance policy servicing.

FIGURE 1 is a flow diagram illustrating access to the subject system. A user can access the Internet with any conventional browser program and must first contact the Progressive home page (Progressive refers to Progressive Casualty Insurance Company of Mayfield Village, Ohio, the assignee of the subject application. "Personal Progressive" is the mark identifying a commercially implemented embodiment of the subject invention) The process flow of Figure 1 shows the customer can only access the system with a personal security code ("PSC") key. The system will query 10 if the customer has registered a personal security code and if the answer is "yes", the system will query 12 if the customer

has forgotten the PSC and, if not, after the appropriate code is entered the customer can enter the system. Accompanying this attachment is an Appendix comprising photostats of the on-line displays a customer will encounter while moving through the system. Photostatic images are segregated in accordance with the outline headings above. Such displays can also be

5 directly accessed through the Internet with an on-line personal computer system by typing the URL "http:\\personal.progressive.com". If the initial inquiry receives an answer that the customer does not have a PSC, then the customer must add validating information comprising the customer's policy number, the zip code, a driver's license number, a date of birth and an e-mail address **16**. The user next enters **18** an ID code of some kind that is personal to the

10 user and the system will verify the entered ID code via e-mail communication. The system will then generate a unique password (PSC) **20** and the password will be sent **22** to the customer at his home address via U.S. mail. The customer cannot enter the Personal Progressive system until after receipt of the PSC.

If the customer has a PSC, but it has been forgotten, then after the inquiry **12**

15 the customer must enter **24** the validating information sent at step **16** and the system will display the preselected identity code and resend **26** the PSC via U.S. mail and e-mail.

The foregoing steps for inquiring and implementing the PSC are necessary for maintaining the personal confidentiality of any particular customer when accessing the system.

20 As noted above, the subject system can be segregated into four critical areas of content. With reference to FIGURE 2, these comprise policy information **30**, policy changes **32**, policy quotes **34** and claims information **36**. A user can navigate to these particular modules from the Personal Progressive main menu **38** through web pages specifically designed to guide the customer to the desired information through clicks on alternative query

25 marks or through the input of necessary information. Of course, the particular design of the web pages to facilitate the navigation or the customer's responses is a matter of subjective design and those shown in the Appendix, or at the URL address above, merely illustrate one particular convenient and successful page format set. Another module **37** provides the customer the ability to acquire on-line forms typically comprising duplicate insurance forms,

30 such as ID cards and duplicate declaration page sets.

The policy information module **30** displays a variety of billing and account

information, policy details and the particular coverage afforded by the cumulative premiums of the policy. The billing and account information comprises a display of the account status, i.e., whether it is active and if the account is paid to date including the amount and the receipt date of the last payment, the amount and receipt date of the renewal payment, if applicable, the current amount due on the due date, the bill schedule and the account payment history. The policy details that can be viewed and verified by the customer include, without limitation, the mailing address, the driver and vehicle information including a list of drivers, their age, gender, driver type and proof of financial responsibility status. The driving record for each driver listed on the policy can also be displayed. The vehicle information includes the year, make, model and VIN # for each vehicle listed on the policy. Other details include, without limitation, a display if there is a state policy contract valid for the customer's specific policy and the name, address and phone number of the agent of record for the customer. The coverage in premiums information comprises a very detailed report of the coverage limits listed by vehicle and the premiums displayed for various types of coverage per vehicle. For example, if three different vehicles were involved, each vehicle would receive a display of what the bodily injury liability premium is for the specified term of the policy as well as various other liability premiums for items such as property damage, uninsured motorist, medical expenses and collisions, etc., i.e., all the conventional premium information that is relevant to any particular policy.

Payments module **40** also comprises a display of some relevant account information such as account status, the amount and receipt date of the last payment, and the amount and receipt date of the renewal payment (if applicable). In addition, though, the customer may select a payment amount via the current amount due, the current amount for the renewal term, pay in full or an amount that must be greater than the minimum amount due. The payment method can be selected as either an on-line check or a credit card.

The policy changes module **32** is primarily comprised of modules for changing the customer's address **42**, telephone number **44** or of replacing or adding **46** a vehicle to the policy coverage.

With reference to FIGURE 3, the following steps illustrate the navigation through various web pages that a customer will make to effect a vehicle replacement on the policy. The "continue" boxes can be clicked by the user to move to the next page. Initially,

the customer will encounter a policy summary page **51** from which the customer will select the policy changes module **53**. The policy changes menu **50** displays an option of vehicle replacement **52** in response to which the customer receives a request for verification page **54**. After verification, the customer identifies **56** which vehicle from the policy is to be replaced.

- 5 The identity of the new vehicle **58** is entered by the customer including the year, make, model, submodel information and VIN #. Additional information **60** relates to the use and garaging, i.e., if the car is a commuter car and whether it will be garaged at the same address as the resident address of the owner **62** or whether it will be garaged at a different address **64**. If it is going to be garaged at a different address, then the system will inquire as to the
- 10 different garaging location **66** or in some states, if there is more than one municipality in a zip code, the customer must indicate the correct municipality in which the vehicle is garaged, i.e., a split zip **68**. In either case the system will next inquire if the vehicle is owned or leased **70**. If leased **72**, or owned **74**, and financing payments are necessary, then the system will inquire as to the financial institution receiving the lease or financing payments **76** and the
- 15 identity of the leasing company **78**. After completion of this financial information, or if the vehicle is owned outright **80** by the customer, then the system will inquire as to what particular coverage information is desired for the vehicle **82**. The coverage information relates to physical damage coverage such as comprehensive and collision and further coverages such as towing/labor, rental or loan lease are optionally available. As a particular
- 20 assist to the customer, the system optionally provides general coverage definitions for various types of coverages offered under the subject insurance policy. After the coverage information **82** has been submitted to the system, an inquiry will be made if the vehicle must have a photo inspection **84** pursuant to state/company regulations and information is displayed accordingly. The summary of changes **86** identifies to the customer the current
- 25 vehicle and its various coverages and the new replacement vehicle and its various coverages along with the date of effectiveness of the supplied policy change and the effect **88** the policy change will have on the premium, i.e., how the change would affect the premium for the remainder of the current policy term and how the change would affect the premium for the entire policy term. At this stage, the customer has only received an estimate and must verify
- 30 that the change actually should be submitted **90**. If submitted, then the summary of changes are again displayed along with the acknowledgment that the changes have been successfully completed **92**.

Each page has a “cancel” button which takes the customer to a page indicating that “your changes have been discarded”, prior to final submission.

With reference to FIGURE 4, often times a customer will merely want to receive a quote before purchasing a vehicle to determine what the insurance cost effect would be if the vehicle had actually been purchased. The policy quotes module **34** (Fig. 2) comprises a “what if” process, currently known as “Policy Quotes”, **48** the steps of which are detailed in Fig. 4. Accordingly, after the policy summary **101** is displayed, the customer will click on the “what if” button **100** to indicate that receiving a quote for changing a vehicle is desired. Customers will also be able to reach this functionality via the main menu **38** (Fig. 2). The change of vehicle page **102** continues into a new vehicle information page **104** where the customer selects which of the present vehicles on the policy are expected to be replaced. Alternatively, the customer can specify that the new vehicle is an addition, by indicating that none of the present policy vehicles are intended to be replaced. Important information relative to the new vehicle, such as the vehicle year **106**, make **108**, and model **110** are solicited prompting a new vehicle information page including system memory of more detailed information indicated by the customer. Such more detailed information relates to body series, body style, engine size, cylinders, wheel drive, and the customer selects the combination of the detailed information **112** which most accurately fits the intended new vehicle. The pertinent coverage information is again solicited **114** from the customer. The current liability coverage is usually indicated to remain the same. The appropriate rate for the new vehicle is calculated at **116**. The estimated effect on the policy premium is displayed **118**, i.e., either an increase or decrease on the policy premium for the remaining or next period. The customer can request a summary **120** of quotes requested and such summary will be displayed **122**.

FIGURE 5 illustrates the steps for navigating the address change module **42** or telephone number change module **44**.

FIGURE 5 starts out similar to Figs. 3 and 4 in that from the policy summary page **131** the customer must indicate that he is interested in the policy change module **133** and in particular dealing with address and telephone information **130**. Customers will also be able to reach this functionality via the main menu **38** (Fig. 2). The customer indicates that he wants to update the address or telephone information **132**. The user then verifies **134** his

identity, identifies the new address information **136** and further identifies **138** if the vehicle will be located at the same location **140** or if it will be garaged at a different location **142** and in some cases selects the appropriate municipality in a zip code **144**. A summary of changes is displayed to the user **146** and the effect such address changes have on the policy premium **148**. The customer then inquires as to the effect that the change would have on the bill schedule and a display **150** identified by installment date and due date of the difference between the current policy rates and the new rates as a result of the address change. The customer can then submit the changes **152** and the system will acknowledge that the changes have been successfully completed to the policy **154**.

All the foregoing changes in the policy parameters, i.e., addition of vehicles, replacement of vehicles, changes in vehicle locations, or changes in customer locations, are communicated and implemented without any assistance, supervision or involvement of a personal representative of the insurance company. The customer navigates the modules to effect the changes to the policy

With particular reference to FIGURE 6, it is another advantage of the system that claims information can be communicated to a customer when a claim has been made against the policy. For example, if the insured vehicle was involved in an accident, the customer has the ability with the present invention to monitor on-line the handling of the claim. In particular, if the customer selects the claims module **36** (Fig. 2) from the Personal Progressive main menu, the customer could inquire **160** if there are currently any claims on the policy. If not, the system can present an informative text on claims preparedness **162**. If there has been a claim, an identifying claim number for the claim is displayed relating to incident date and whether the claim status is active or inactive. The customer can select a particular claim number for viewing **164**. When a claim number is selected, the system will inquire if the claim is archived **166** to a separate storage location and if so, the relevant information must be restored to the system, usually in an overnight process, and the customer is informed to return **168** at a later time to view the desired claim information. If not archived, then the display presents detailed claim information relating to the driver and vehicle involved, the location of loss, the incident report date/time, the inspection date/time, determination of losses, whether the other claim features are yet open and the identity of the claim representative comprising the representative's name and telephone number. Additional

information can be presented relating to the claims office location and street address. Other pertinent information relating to the claim relates to coverages 172 comprising a display of the coverage provided by the policy at the time of the accident or other loss, estimate information 174 for repair or reimbursements, and rental information 176 relating to vehicle rentals for temporarily providing transportation after being involved in the accident or other loss. Other information relates to repairs to the vehicle involved 178 and generic information about what to do after an accident or other loss 180. This system displays a face sheet communication allowing the customer to send a message to the claims representative of whatever information the customer feels important 182 and the customer message is added automatically 184 to the diary pertaining to this particular claim. An important advantage of the claims module 36 is its ability to allow a customer to communicate directly to the representative's desk top diary after having full access to relevant information relating to the claim.

The invention has been described with reference to preferred embodiments.

Obviously, modifications and alterations will occur to others upon a reading and understanding of the specification. It is our intention to include all such modifications and alterations insofar as they come within the scope of the appended claims or the equivalents thereof.

Having thus described our invention, we claim:

1. An Internet on-line insurance policy service system for real-time automated selective adjustment by a user of policy parameters and system computation and communication of consequent costs, comprising:

an information module for identifying a user to the system and for verifying to the user present policy parameters of a policy held by the user; and,

a policy adjustment module for selectively communicating a parameter change and for generating in real-time a cost adjustment attributable to the parameter change

2. The system as defined in claim 1 further including a claims information module

3. The system as defined in claim 1 further including an electronic funds transfer module.

4. The system as defined in claim 1 wherein the parameter change comprises a change in location.

5. The system as defined in claim 1 wherein the parameter change comprises a change in resident address of the insured.

6. The system as defined in claim 1 wherein the parameter change comprises a change in garage location of a vehicle insured under the policy

7. The system as defined in claim 1 wherein the parameter change comprises a change in item insured by the policy.

8. The system as defined in claim 7 wherein the change in item comprises a change in a person insured under the policy.

9. The system as defined in claim 7 wherein the change in item comprises a change in insurance coverages, deductibles and policy limits under the policy.

10. The system as defined in claim 7 wherein the change in item comprises a vehicle change.

11. The system as defined in claim 10 wherein the vehicle change comprises adding, replacing or deleting an insured vehicle under the policy.

12. The system as defined in claim 1 further including an implementing module for submitting and implementing the parameter change.

13. An Internet on-line insurance policy service system for real-time automated selective adjustment by a user of policy parameters for an insurance policy, and for system computation and communication of changes in coverage under the policy comprising:

5 an information module for identifying a user to the system and for verifying to the user present policy parameters of a policy held by the user; and,
 a policy adjustment module for selectively communicating a parameter change and for generating in real-time a coverage adjustment attributable to the parameter change.

14. The system as defined in claim 13 further including a claims information module.

15. The system as defined in claim 13 further including an electronic funds transfer module.

16. The system as defined in claim 13 wherein the parameter change comprises a change in location.

17. The system as defined in claim 13 wherein the parameter change comprises a change in resident address of the insured.

18. The system as defined in claim 13 wherein the parameter change comprises a change in garage location of a vehicle insured under the policy.

19. The system as defined in claim 13 wherein the parameter change comprises a change in item insured by the policy.

20. The system as defined in claim 19 wherein the change in item comprises a change in a person insured under the policy.

21. The system as defined in claim 19 wherein the change in item comprises a change in coverages, deductibles and policy limits under the policy.

22. The system as defined in claim 19 wherein the change in item comprises a vehicle change.

23. The system as defined in claim 22 wherein the vehicle change comprises adding, replacing or deleting an insured vehicle under the policy.

24. The system as defined in claim 13 further including an implementing module for submitting and implementing the parameter change.

25. A method of servicing an insurance policy via Internet on-line communications for estimating cost variances attributable to policy parameter changes and for real-time updating of the policy parameters, comprising:

- communicating through an Internet on-line connection an
- 5 identity of a customer and a policy parameter change;
- calculating a cost variance attributable to the policy parameter change and quoting the cost variance to the customer back through the on-line connection;

submitting the policy parameter change as an implementable change for updating the policy;

10 adjusting the policy in accordance with the policy parameter change and verifying the adjusting in real-time back to the customer through the on-line connection.

26. The method as claimed in claim 25 further including displaying policy information to the customer comprising preexisting policy parameters.

27. The method as claimed in claim 25 further including providing on-line forms to the customer

28. The method as claimed in claim 25 further including enabling electronic funds transferring through the on-line connection for payment of policy premiums.

29. The method as claimed in claim 25 further including displaying claims information to the customer and enabling communication of related information concerning a claim through the on-line connection.

30. The method as claimed in claim 25 wherein the communicating the policy parameter change comprises at least one of: a vehicle addition, deletion or replacement, a change in insureds listed in the policy, a change in address or telephone number for an insured, a change in a garage location of an insured vehicle or changes in
5 policy limits, desired coverages or deductibles.

31. A method of servicing an insurance policy via Internet on-line communications for estimating cost variances attributable to policy parameter changes and for real-time updating of the policy parameters, comprising:

communicating through an Internet on-line connection an
5 identity of a customer and a policy parameter change;
determining a coverage variance attributable to the policy

parameter change and quoting the cost variance to the customer back through the on-line connection;

- 10 submitting the policy parameter change as an implementable
change for updating the policy;
 adjusting the policy in accordance with the policy parameter
change and verifying the adjustment in real-time back to the customer through the on-line
connection.

32. The method as claimed in claim 31 further including displaying
policy information to the customer comprising preexisting policy parameters.

33. The method as claimed in claim 31 further including providing
on-line forms to the customer.

34. The method as claimed in claim 31 further including enabling
electronic funds transferring through the on-line connection for payment of policy premiums.

35. The method as claimed in claim 31 further including displaying
claims information to the customer and enabling communication of related information
concerning a claim through the on-line connection.

36. The method as claimed in claim 31 wherein the communicating
the policy parameter change comprises at least one of: a vehicle addition, deletion or
replacement, a change in insureds listed in the policy, a change in address or telephone
number for an insured, a change in garage location of an insured vehicle or changes in policy
5 limits, desired coverages or deductibles.

METHOD AND APPARATUS FOR INTERNET ON-LINE INSURANCE POLICY SERVICE

Abstract of the Disclosure

5

An Internet on-line insurance policy service system that facilitates real-time automated communication of policy information, adjustment of policy parameters, calculation and communication of resulting policy quotes, and implementation of policy changes, while obviating insurer personnel involvement and supervision of the

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communication. The system comprises a plurality of software modules relating to on-line real-time communication of existing policy information, testing of a wide range of variations in policy parameters, computing and communicating changes in policy premiums that would result from such variations, communicating desired changes in policy parameters and implementing desired policy changes. Other modules relate to communication of claims

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information and the providing of on-line forms.

PERSONAL PROGRESSIVE PSC PROCESS FLOW

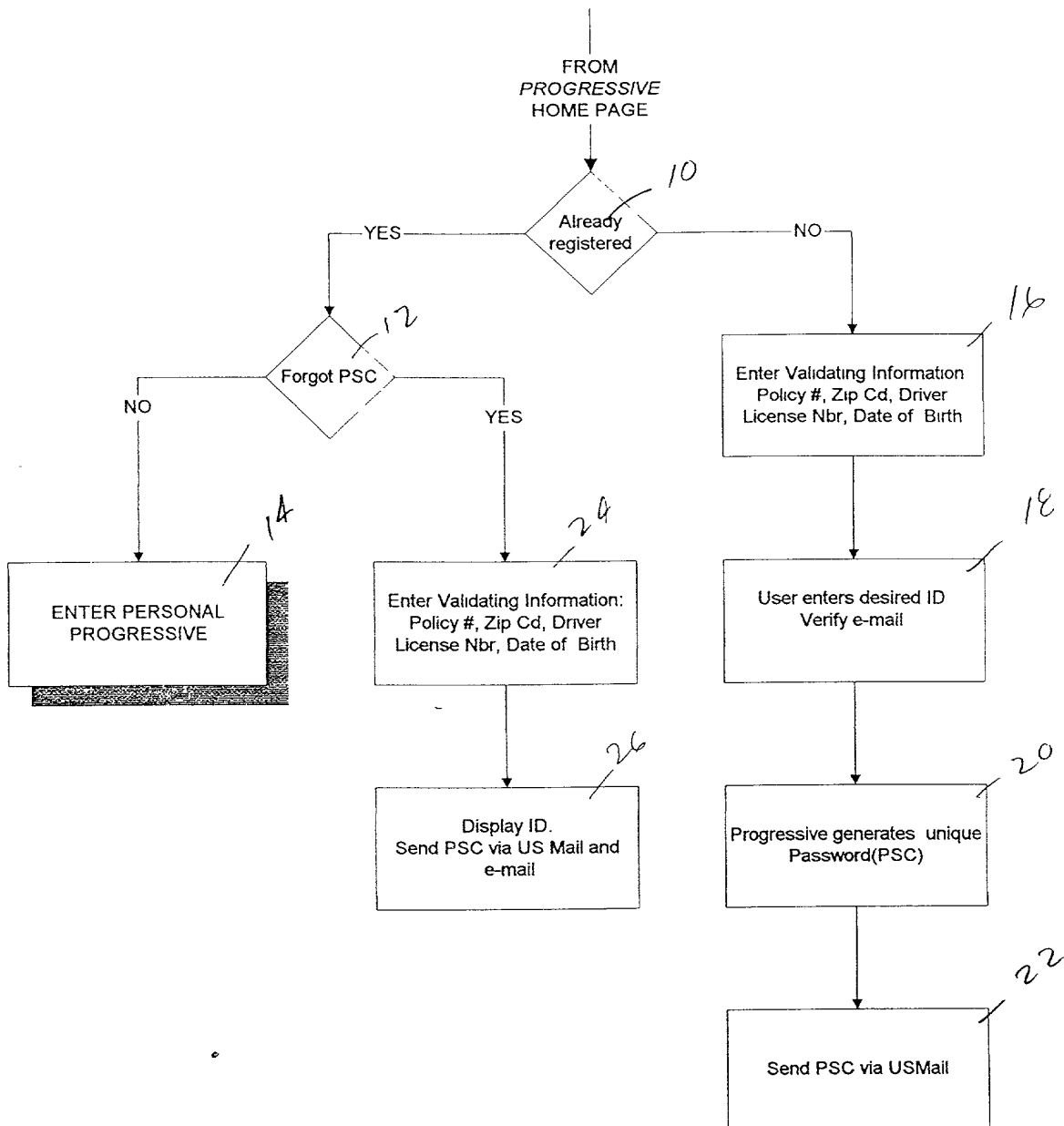
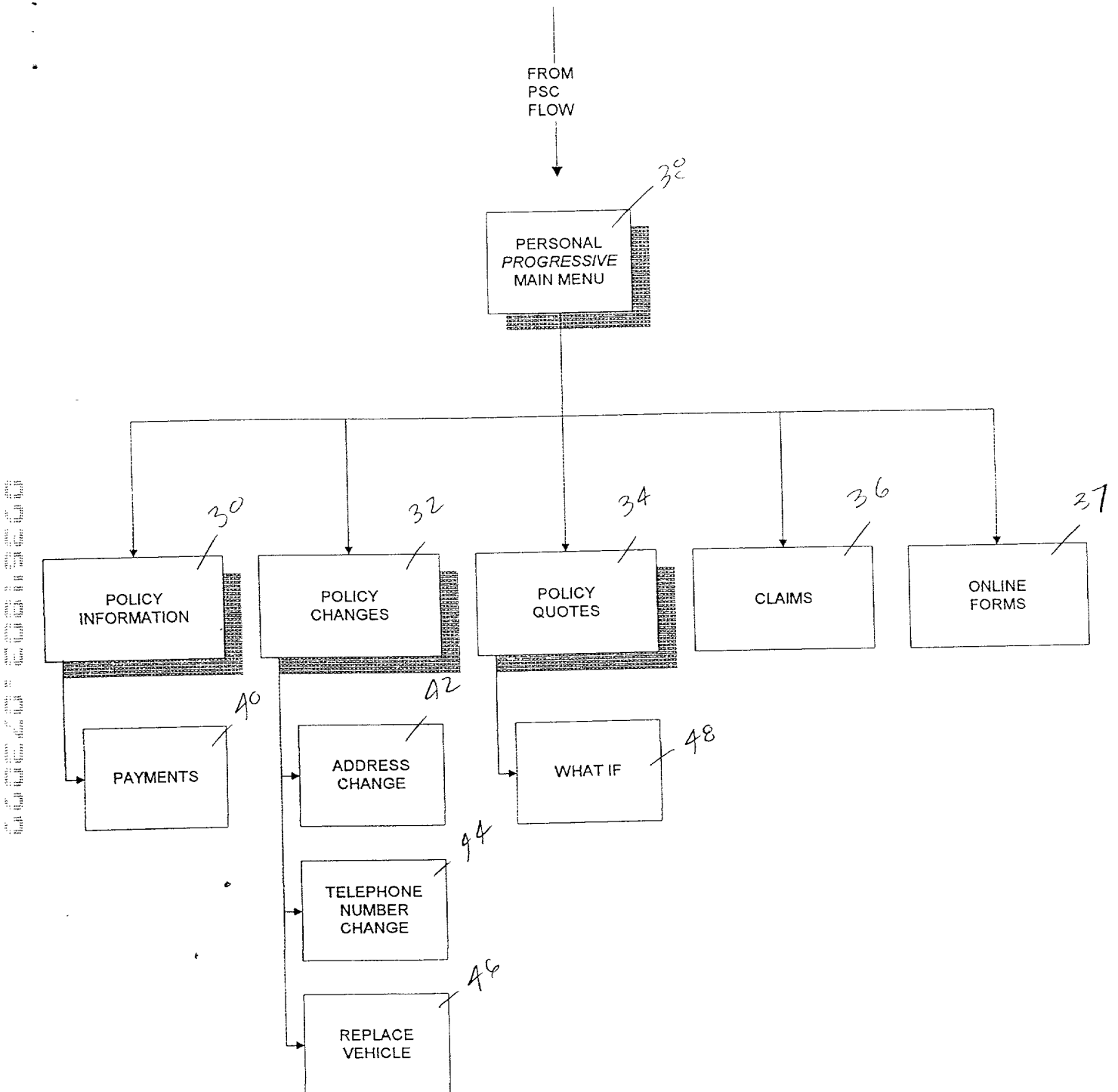


FIG 1

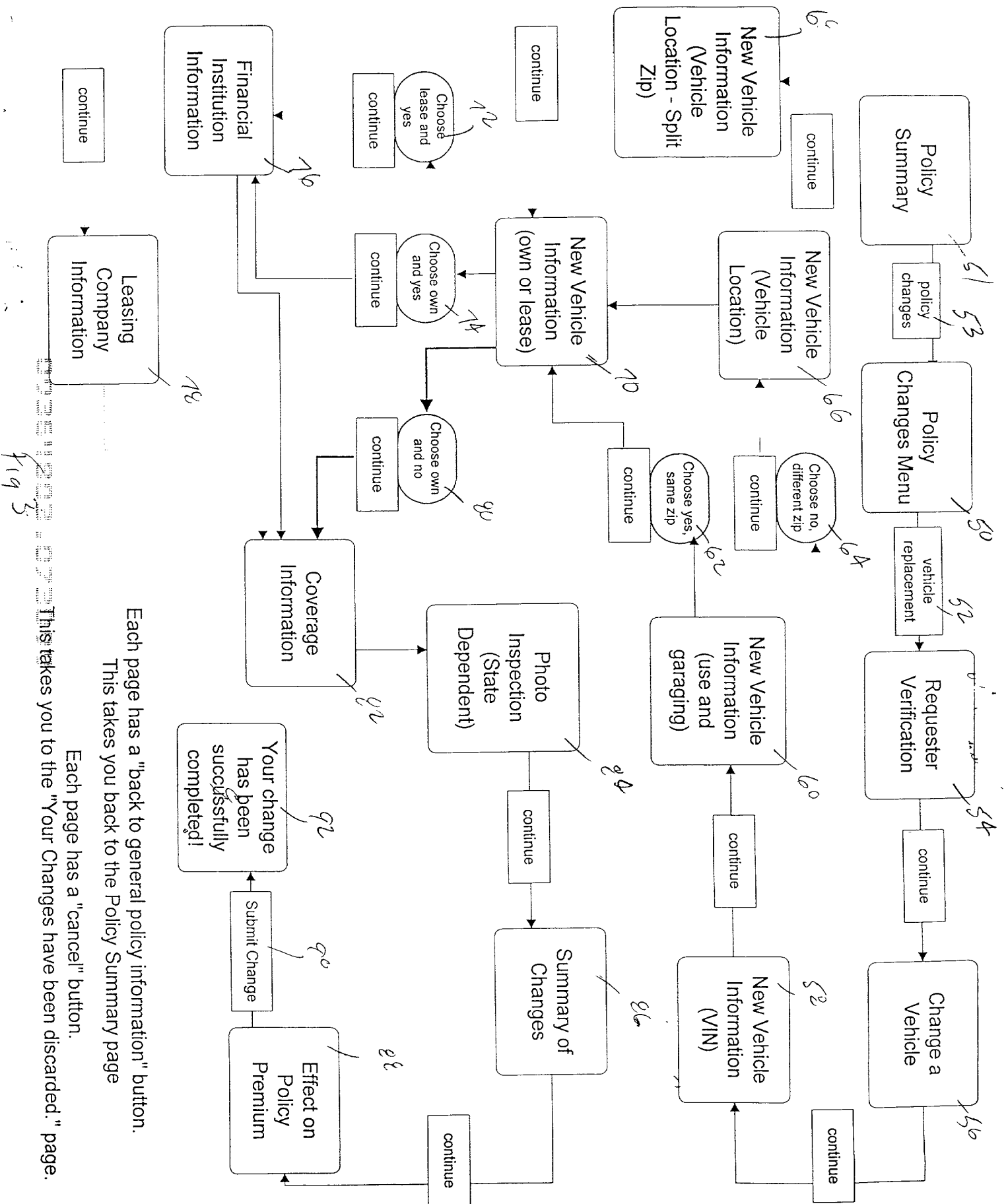
PERSONAL PROGRESSIVE MAIN PAGE

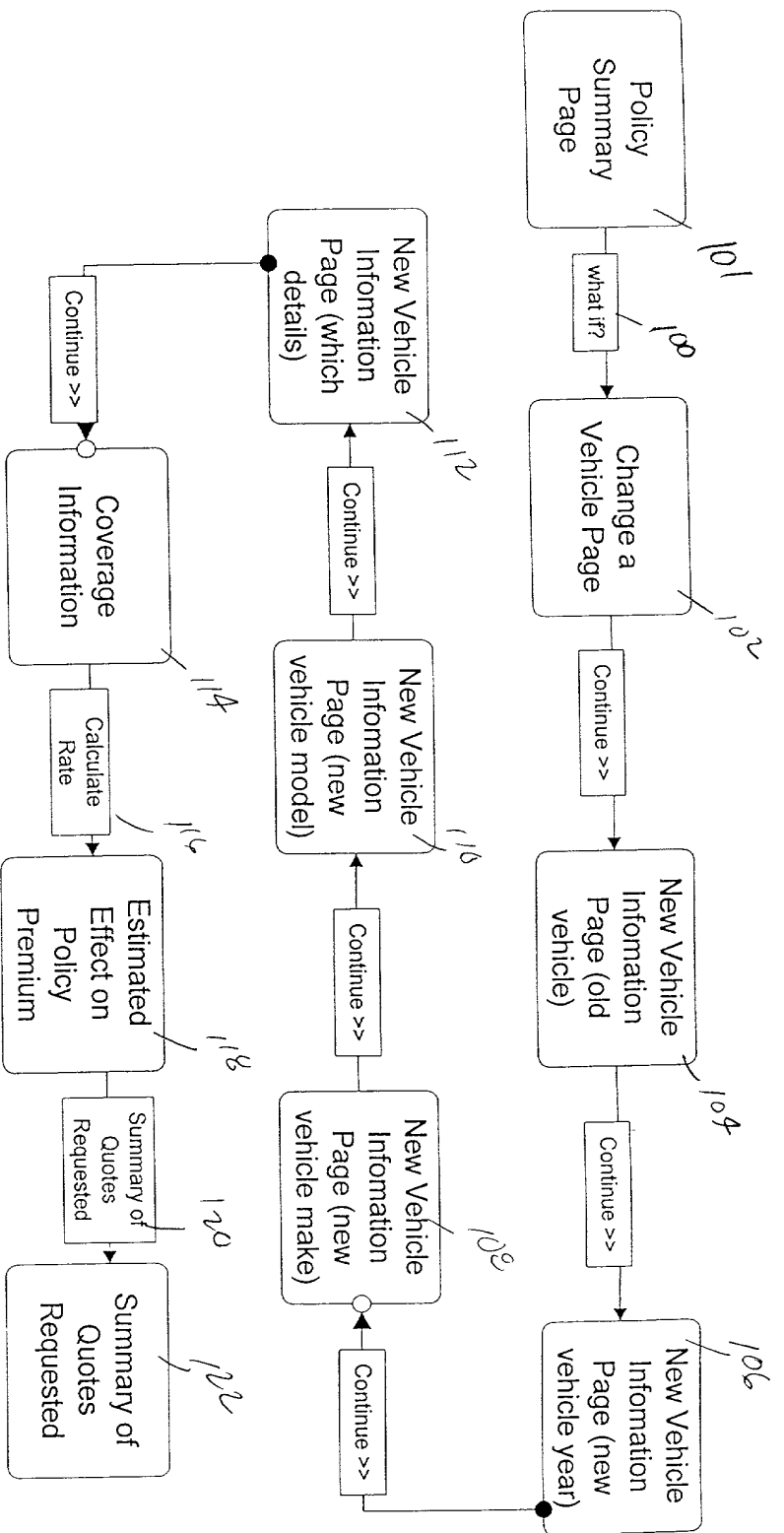
PROCESS FLOW



6/30/99

Fig 2





Each page has a "back to general policy information" button. This takes you back to the Policy Summary page

III. AX question only)

101 102 104 106 108 110 112 114 116 118 120 122

164

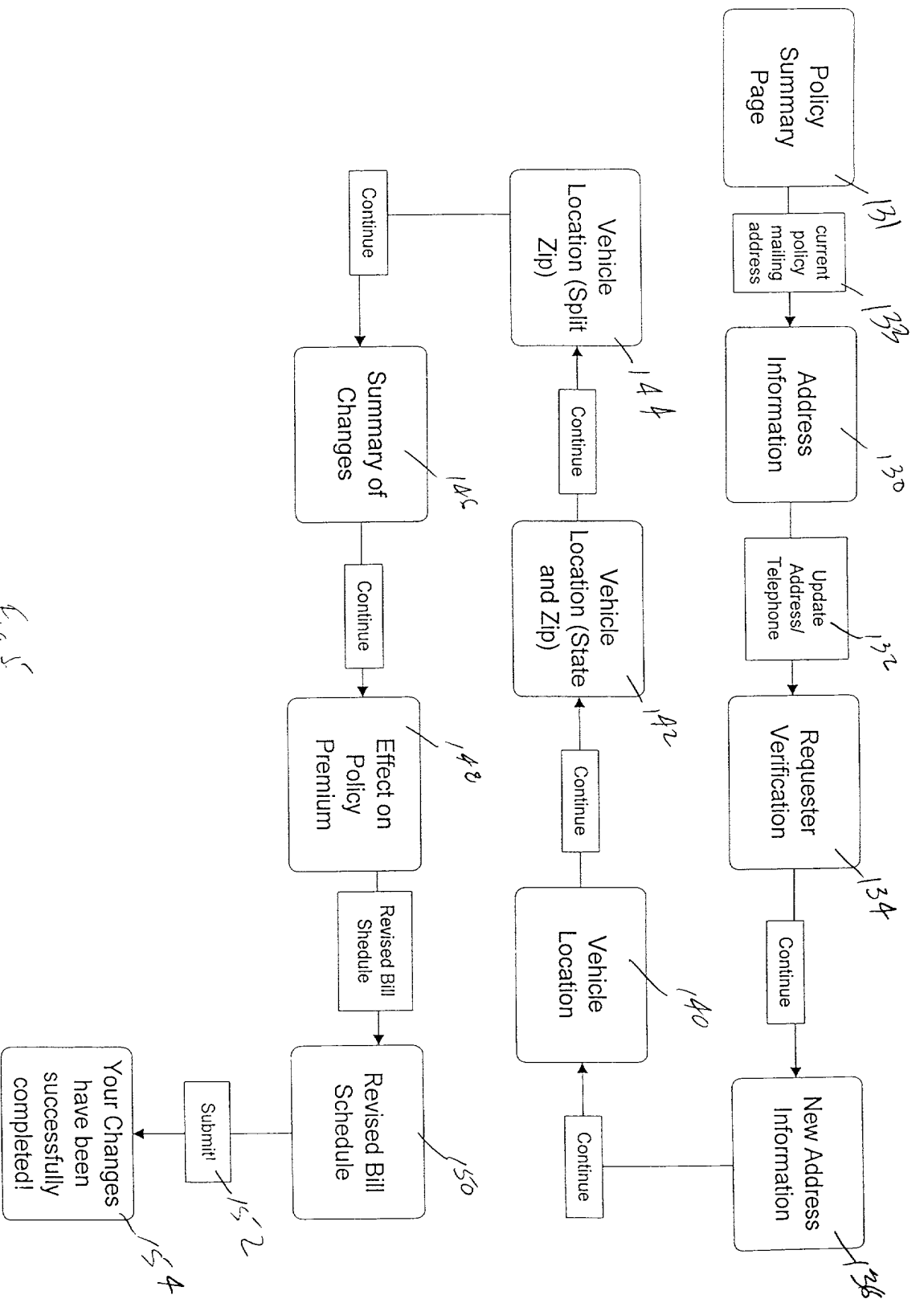


Fig 5

Each page has a "back to general policy information" button. This takes you back to the Policy Summary page

Each page has a "cancel" button. This takes you to the "Your Changes have been discarded." page.

11.c

FIG. 5 is a flowchart illustrating a process for making changes to a policy.

PERSONAL PROGRESSIVE CLAIMS PROCESS FLOW

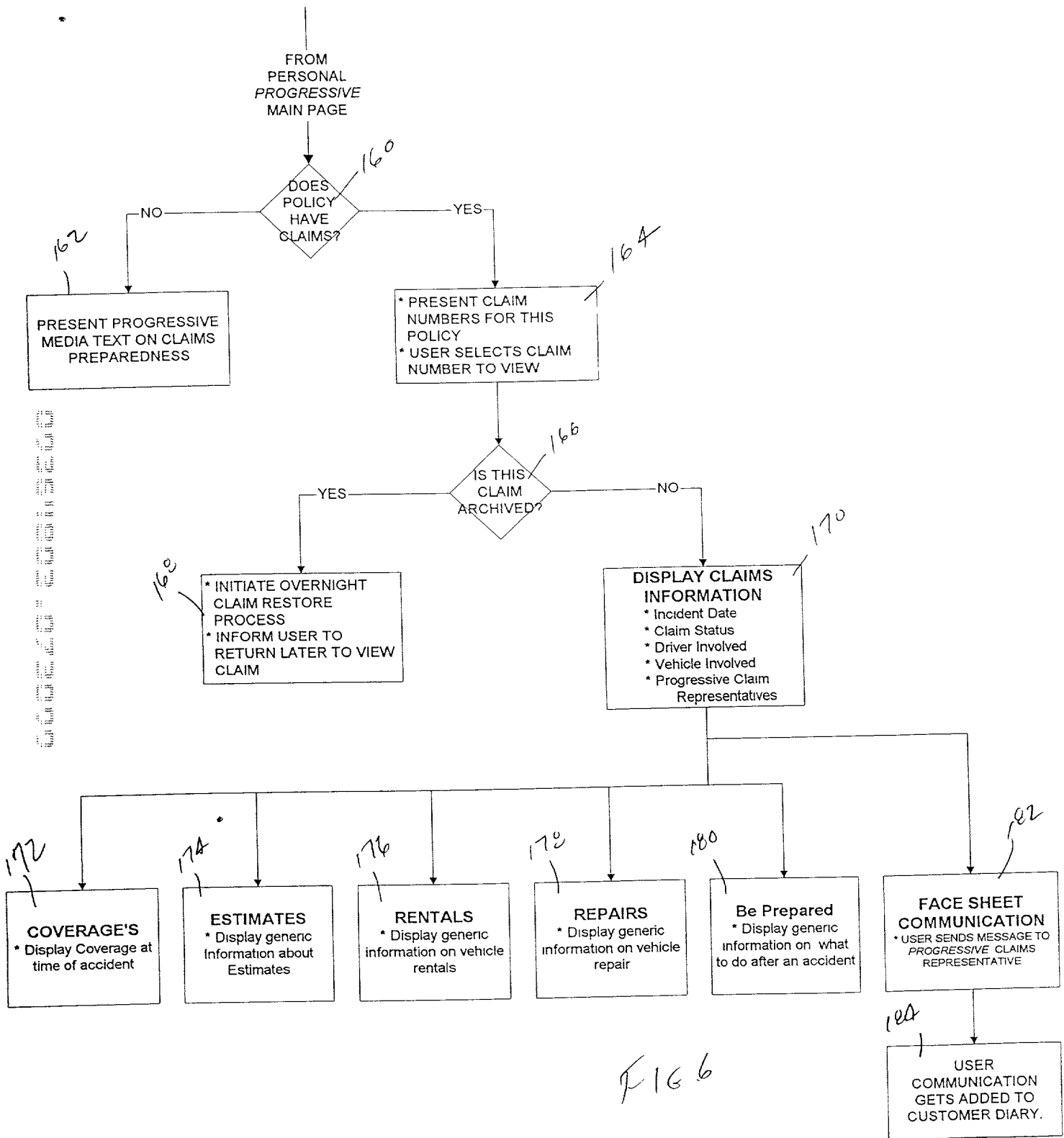


FIG 6

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD AND APPARATUS FOR INTERNET
ON-LINE INSURANCE POLICY SERVICE**

the specification of which
☒ is attached hereto

☐ was filed on
as US/PCT Application Serial No.
and (if applicable) was amended on

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed above and have also identified below, by check the box, any foreign application(s) for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application

			<input type="checkbox"/> Yes <input type="checkbox"/> No
(Number)	(Country)	(Day/Month/Year Filed)	Certified Copy Attached

I hereby claim the benefit under 35 U.S.C. 119(e) of an United States provisional application(s) listed below:

		<input type="checkbox"/> additional provisional application numbers are listed on a supplemental priority data sheet attached
(Number)	(Day/Month/Year Filed)	

I hereby claim the benefit under Title 35, United States, § 120 of any United States application(s) or any PCT international application designating the United States of America, listed below and,

insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information which is material to patentability as defined in Title 37, of Federal Regulations Code, § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Parent Application
or PCT Parent Number

Parent Filing Date
(Month/Day/Year)

Parent Patent Number
(If Applicable)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

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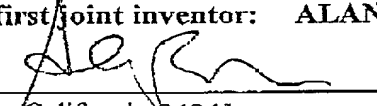
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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